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(54) CURABLE COMPOSITION

(57)Abstract:

PURPOSE: To obtain a curable compsn. with excellent curability and providing a cured product with high refractive index, excellent heat resistance, low water- absorbing properties and optical uniformity by compounding 1,4- dimercaptophenyl dimethacrylate with another vinyl monomer. CONSTITUTION: A compsn. with excellent curability is obtd. by compounding 10-90 pts.wt. 1,4-dimercaptophenyl dimethacrylate of the formula with 90-10 pts.wt. other vinyl monomer copolymerizable with this monomer (e.g., methyl methacrylate). A cured product with excellent optical uniformity, high refractive index and physical features such as high heat resistance and low water-absorbing

properties can be obtd. by performing radical polymn. of this curable compsn. using a radical polymn. catalyst [e.g., 2,2'-azobis(2,4-dimethylvaleronitrile)] and is useful in such industrial fields as optical materials as well as coatings, sealing agents, paints, adhesives, etc.

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